

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Currently amended) A method of producing a transgenic turfgrass plant, comprising the steps of:
  - (a) culturing embryogenic ~~organogenic~~ tissue from seeds of a turfgrass plant on a medium that promotes de-differentiation of the tissue, to produce regenerable callus tissue;
  - (b) inoculating the callus tissue with *Agrobacterium* carrying at least one vector for transformation, the vector comprising virB, virC and virG virulence genes from plasmid pSB1 or pSB4, in which vector is inserted a heterologous DNA construct and a selectable marker conferring antibiotic resistance to transformed cells, wherein the DNA construct and selectable marker are operably linked to a promoter from a monocotyledonous species, wherein the inoculating comprises mixing the callus tissue with the *Agrobacterium* pre-incubated with acetosyringone, under conditions permitting the *Agrobacterium* to infiltrate the callus tissue, thereby forming *Agrobacterium*-infiltrated callus tissue;
  - (c) co-culturing the *Agrobacterium*-infiltrated callus tissue under conditions that enable the *Agrobacterium* vector to transform cells of the *Agrobacterium*-infiltrated callus tissue;
  - (d) selecting transformed cells by culturing the *Agrobacterium*-infiltrated callus tissue on a selection medium comprising an antibiotic, wherein the transformed cells are resistant to the antibiotic and are selected by their growth in the presence of the antibiotic; and
  - (e) regenerating a transformed turfgrass plant from the transformed cells.
2. (Original) The method of claim 1, wherein the turfgrass is a species selected from the group consisting of creeping bentgrass, tall fescue, velvet bentgrass, perennial ryegrass, hard fescue, Chewings fescue, strong creeping fescue, colonial bentgrass and Kentucky bluegrass.
3. Canceled.

4. Canceled.

5. (Original) The method of claim 1, wherein the promoter is selected from the group consisting of maize ubiquitin gene promoters, rice actin gene promoters, maize *Adh* 1 gene promoters, rice or maize tubulin (*Tub* A, B or C) gene promoters, and alfalfa *His* 3 gene promoters.

6. (Previously presented) The method of claim 1, wherein the selectable marker gene confers hygromycin resistance on transformed cells.

7. Canceled.

8. Canceled.

9. Canceled.

10. (Currently amended) The method of claim 1, wherein the vector transgene ~~turfgrass plant of claim 8, which~~ comprises a transgene selected from the group consisting of:

- (a) a gene encoding glucose oxidase;
- (b) a gene encoding citrate synthase;
- (c) a gene encoding  $\Delta$ -9 desaturase from *Saccharomyces cerevisiae* or

*Cryptococcus curvatus*;

- (d) a gene encoding  $\Delta$ -11 desaturase;
- (e) a gene encoding a plant homolog of the neutrophil NADPH oxidase;
- (f) a gene encoding bacteriopsin from *Halobacterium halobium*; and
- (g) a gene encoding pokeweed antiviral protein.

11 – 21. Canceled.